L Number	Hits	Search Text	DB	Time stamp
1	2	(("4536844") or ("6137349")).PN.	USPAT	2004/05/05 09:18
2	2	· · · · · · · · · · · · · · · · · · ·	USPAT;	2004/05/05
3	7	downsampl\$3 (filte\$2) same octav\$2 same downsampl\$3	EPO; JPO USPAT;	10:58 2004/05/05
4	3	(filte\$2) same (octav\$2 near2 group)	EPO; JPO USPAT;	10:04 2004/05/05
5	3	(filte\$2) same (octav\$2 near2 group)	EPO; JPO USPAT; US-PGPUB;	10:05 2004/05/05 10:05
6	0	("704.200.1").PN.	EPO; JPO USPAT;	2004/05/05
7	176	(704/200.1).CCLS.	EPO; JPO USPAT;	10:58 2004/05/05
9	2	(704/200.1).ccls. and masking same	EPO; JPO USPAT;	10:58   2004/05/05
8	131	octav\$2   (704/200.1).ccls. and masking	EPO; JPO USPAT;	10:59 2004/05/05
10	38	cochlea\$1 and (filter near2 ban\$2) and	EPO; JPO USPAT;	11:03 2004/05/05
11	6		EPO; JPO USPAT;	11:04 2004/05/05
12	6	octave cochlear and (filter near2 banks) and octave	EPO; JPO USPAT; US-PGPUB;	11:04 2004/05/05 11:04
13	6	(cochlear and (filter near2 banks)) and octave	EPO; JPO USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 11:40
14	9	("20020057808") or ("6289247") or ("6219580") or ("6070140") or ("5737719")	IBM_TDB USPAT; US-PGPUB	2004/05/05 11:19
15	8	or ("4858612") or ("4532930")).PN. ("20030169891" "20020116196" "20020057808" "6289247" "6219580" "6070140" "5737719" "4858612" "4532930") and cochlea\$1 and (filter near2 bank) and octave	USPAT; US-PGPUB	2004/05/05 11:20
16	0		USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 11:41
17	. 0	(filter near2 banks) same (half adj2 wave adj2 rectifier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 11:41
18	3	(filter near2 bank) same (half adj2 wave adj2 rectifier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 12:31
19	3	(filter near3 bank) same (half adj2 wave adj2 rectifier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 12:33
20	10	(filter near3 bank) and (half adj2 wave adj2 rectifier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/05/05 12:44
	<u> </u>		IBM TDB	

Page 1

Search History 5/5/04 12:48:18 PM

21	225	(absolute near2 value) and (half adj2	USPAT;	2004/05/05
		wave adj2 rectifier)	US-PGPUB;	12:44
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
22	49	(absolute near2 value) same (half adj2	USPAT;	2004/05/05
		wave adj2 rectifier)	US-PGPUB;	12:44
			EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
23	2	(absolute adj2 value) near3 (half adj2	USPAT;	2004/05/05
		wave adj2 rectifier)	US-PGPUB;	12:45
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
24	49	(absolute adj2 value) same (half adj2	USPAT;	2004/05/05
		wave adj2 rectifier)	US-PGPUB;	12:45
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

L	Hits	Search Text	DB	Time stamp
Number 1	2	(("4536844") or ("6137349")).PN.	USPAT	2004/05/05
2	2	   (digital near2 filte\$2) same octav\$2 same	USPAT;	09:18 2004/05/05
		downsamp1\$3	EPO; JPO	10:58
3	7	(filte\$2) same octav\$2 same downsampl\$3	USPAT; EPO; JPO	2004/05/05
4	3	(filte\$2) same (octav\$2 near2 group)	USPAT;	2004/05/05 10:05
5	3	(filte\$2) same (octav\$2 near2 group)	EPO; JPO USPAT;	2004/05/05
			US-PGPUB; EPO; JPO	10:05
6	0	("704.200.1").PN.	USPAT;	2004/05/05
7	176	(704/200.1).CCLS.	EPO; JPO USPAT;	10:58 2004/05/05
9	2	(704/200.1).ccls. and masking same	EPO; JPO	10:58
	_	octav\$2	USPAT; EPO; JPO	10:59
8	131	(704/200.1).ccls. and masking	USPAT; EPO; JPO	2004/05/05
-	2	(("5473759") or ("5536844")).PN.	USPAT	2003/10/09
-	2	(("4473759") or ("5536844")).PN.	USPAT	09:54
	1	("4536844").PN.	USPAT	12:51 2003/10/09
	_			09:56
-	1	("4471196").PN.	USPAT	2003/10/06 12:54
-	1	("4771196").PN.	USPAT	2003/10/06
_	3	digital near2 cochle\$2 near2 model	USPAT;	13:06   2004/05/05
_	0	   (audio near2 process\$3) same (sequen\$2	EPO; JPO USPAT;	09:17 2003/10/06
	-	near2 digital near2 filte\$2)	EPO; JPO	13:08
-	5	(cochle\$2 near2 model) near5 digital	USPAT; EPO; JPO	2003/10/06 13:21
-	3	lyon.in. and (cochlear)	USPAT; EPO; JPO	2003/10/08
-	0	"interval research corporation".AS. and	USPAT;	2003/10/06
-	91	(cochlear) "interval research corporation".AS.	EPO; JPO USPAT;	13:13   2004/02/04
_	0	watts.in. and (cochlear)	EPO; JPO USPAT;	12:39 2003/10/06
		, , , , , , , , , , , , , , , , , , ,	EPO; JPO	13:21
-	36	cochle\$2 near2 model	USPAT; EPO; JPO	2003/10/06 13:30
-	0	(filter near2 bank near2 cascade) same	USPAT; EPO; JPO	2003/10/06 14:05
-	24	(filter near2 bank) same cochlea\$1	USPAT;	2003/10/06
_	12	5331222.URPN.	EPO; JPO USPAT	13:46 2003/10/06
_	5	cochlear near2 filter near2 bank	USPAT;	13:35 2003/10/06
	_		EPO; JPO	14:43
-	84	(filter near2 bank) same (select\$2 near2 frequen\$4)	USPAT; EPO; JPO	2003/10/06 14:00
-	6	("3671889"   "3855556"   "4763089"   "4970479"   "5428814"   "5515017").PN.	USPAT	2003/10/06 13:52
_	7	5515017.URPN.	USPAT	2003/10/06
-	7	5515017.URPN.	USPAT	13:52 2003/10/06
_	0	(filter near2 bank near2 cascade) same	USPAT;	13:53 2004/05/05
		octave\$1	EPO; JPO	09:19
_	0	cochlear near5 model%3	USPAT; EPO; JPO	2003/10/06 14:44
-	40	cochlear near5 model\$3	USPAT;	2004/02/04
-	5	cochlea\$1 near2 filter near2 bank	EPO; JPO USPAT;	14:33 2003/10/08
L			EPO; JPO	14:12

-	0	cochlea\$1 near5 model%3	USPAT;	2003/10/06
			EPO; JPO	14:44
-	1	("5502663").PN.	USPAT	2003/10/08
				12:26
-	1	5502663.URPN.	USPAT	2003/10/08
				12:26
-	8		USPAT	2003/10/08
		"4356559"   "4803647"   "5031132"		12:26
		"5170369"   "5315621").PN.		
-	1	lyon.in. and (filter same cascade)	USPAT;	2003/10/08
			EPO; JPO	12:47
-	0	·····	USPAT;	2003/10/08
	:	near2 bank) same cochlea\$1	EPO; JPO	12:48
-	2		USPAT;	2003/10/08
1		near2 bank) same ear	EPO; JPO	12:48
-	36	(audio near2 process\$3) same (filter	USPAT;	2003/10/08
	_	near2 bank)	EPO; JPO	12:50
-	2	· ·	USPAT;	2003/10/08
	_	near2 bank)	EPO; JPO	13:00
-	0	(cochlear near3 implant) same (filter	USPAT;	2003/10/08
1		near3 cascade)	EPO; JPO	13:02
-	331	cochlear near3 implant	USPAT;	2003/10/08
	]	(UE 414 467 B. L. UE 400006 B. L. UEERSEES B. L.	EPO; JPO	13:29
-	10	("5411467"   "5498226"   "5772575"	USPAT	2003/10/08
		"5906635"   "5913815"   "6216040"		13:04
1	1	"6259951"   "6272382"   "6275596"		1
1		"6308101").PN.	HCD2m-	2002/20/00
-	0	(filter near2 configur\$2 near3 process\$3)	USPAT;	2003/10/08
		same (more near2 frequen\$2)	EPO; JPO	13:31
-	15	1 ,	USPAT;	2003/10/08
	_	same (frequen\$4)	EPO; JPO	13:32
-	5	(filter near2 configur\$2 near3 process\$3)	USPAT;	2003/10/08
1	1 2245	near3 (frequen\$4)	EPO; JPO	13:56
_	3247	frequen\$2 near2 select\$3 near3 filter\$1	USPAT;	2003/10/08
	٦,	46 40 0 3 443 (2.6/3+41)	EPO; JPO	13:57
_	35	1 1 +	USPAT;	2003/10/08
	1	same (filter near2 bank)	EPO; JPO	14:07
_	15	(tuna\$3 near3 filter\$1) same (filter	USPAT; EPO; JPO	2003/10/08
	4	near2 bank)   audito\$2 near2 filter near2 bank	USPAT;	2003/10/08
_	4	auditoşz nearz liller nearz bank	EPO; JPO	14:12
	0	filte\$1 near2 shar\$3 near3 coeeficien\$4	USPAT;	2003/10/08
_	١ '	Tillegi Hearz Shargs Hears Coeeliclenga	EPO; JPO	15:08
	20	filto¢1 noon2 shar¢2 noon2 sooffision¢4	USPAT;	2003/10/08
1 -	40	filte\$1 near2 shar\$3 near3 coefficien\$4	EPO; JPO	16:08
1_	67	filte\$1 same (coefficie\$4 near2 shar\$3)	USPAT;	2003/10/08
-	''	Tirred game (coefficied Hears 2019152)	EPO; JPO	16:09
1_	4	("4967388"   "5081604"   "5262974"	USPAT	2003/10/08
1		"6282184").PN.	35171	16:11
_	2	("4038536"   "5018202").PN.	USPAT	2003/10/08
1		1 100000 1 0010000 /		16:16
_	72	(computer near2 program) same (process\$3	USPAT;	2003/10/09
}	'-	near2 audio)	EPO; JPO	10:50
_	0	(computer near2 program) same (process\$3	USPAT;	2003/10/09
	I	near2 audio) same (digital near2	EPO; JPO	09:38
		filter\$1)		
_	150	(381/320).CCLS.	USPAT;	2003/10/09
1		,,,	EPO; JPO	10:35
-	609	(381/312).CCLS.	USPAT;	2003/10/09
			EPO; JPO	10:17
-	353	(381/61).ccls.	USPAT;	2003/10/09
			EPO; JPO	10:18
-	2	(("5502663") or ("5983139")).PN.	USPAT;	2003/10/09
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO	10:35
-	2	(("6222930") or ("5604809")).PN.	USPAT	2003/10/09
	_			10:51
-	2	(("5983139") or ("5502663")).PN.	USPAT	2004/02/04
				12:35
-	10	filter\$1 same (first adj2 frequen\$2)	USPAT;	2004/02/04
		near3 (secon\$1 adj2 frequen\$2) near3	EPO; JPO	11:44
L		(interv\$3 or perio\$2)	<u> </u>	
				<del></del>

1					1 0 0 0 4 7 0 0 7 0 4
0	-	308		USPAT;	2004/02/04
adj2 frequen2] near3 (secon\$1 adj2   Pop JPO   11:44					1
	-	0			2004/02/04
28	1		adj2 frequen\$2) near3 (secon\$1 adj2	EPO; JPO	11:44
frequent  near3 (secons1 adj2 frequent  EPO, JPO   12:11   1	1		frequen\$2)		
frequent  near3 (secons1 adj2 frequent  EPO, JPO   12:11   1	_	28	filter\$1 near3 process\$3 same (first adj2	USPAT;	2004/02/04
S03   filter\$1 near3 (frequenc\$3 near2 octav\$2  SPAT; 2004/02/04			frequen\$2) near3 (secon\$1 adj2 frequen\$2)	EPO; JPO	12:11
	1 -	503		USPAT;	2004/02/04
42	1		·	EPO; JPO	12:12
147	l _	42	filter\$1 near3 (frequenc\$3 near2 octav\$2)	•	2004/02/04
- 147 (700/94).CCLS.	l .				1
College	_	147	(700/94), CCLS		
- 1 (607/56).CCLS.		***	(100/31/10025.		
Twulcan ventures".AS.		71	(607/56) CCLS		
"vulcan ventures".AS.	-	'1	(007/30/.0013.	· ·	1
		1	"unlean wontures" As		
- 0 "applied neurosystems".AS.   USPAT;   2004/02/04   - 0 "Applied Neurosystems".AS.   USPAT;   2004/02/04   - 0 "interval research corporation".AS. and   USPAT;   2004/02/04   - 1 5983139.URPN.   "5027306"   "5323157"   USPAT   2004/02/04   - 8 ("5012245"   "5408235"   "5549658"   "55912245"   "5601617"   "5526629").PN.   USPAT   2004/02/04   - 8 ("5012245"   "5408235"   "5549658"   "5517325"   "5601617"   "5626629").PN.   USPAT   2004/02/04   - 8 ("5012245"   "5027306"   "5323157"   USPAT   2004/02/04   - 8 ("5012245"   "5626629").PN.   USPAT   2004/02/04   - 8 ("501617"   "5626629").PN.   USPAT   2004/02/04   - 8 ("704/\$).ccls. and f(subband or sub-band)   USPAT   2004/02/04   - 8 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 105 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 25 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 25 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 26 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 27 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 28 (filter adj2 bank\$1) same octave   USPAT;   2004/02/04   - 29 (cochlear near3 (model\$3 or implant)   SPAT;   2004/02/04   - 29 (cochlear near3 (model\$3 or implant)   USPAT   2004/02/04   - 20 ("5227991"   "5731769").PN.   USPAT   2004/02/04   - 20 ("5227991"   "5731769").PN.   USPAT   2004/02/04   - 3 ("4872129"   "4983966"   "5043933"   USPAT;   2004/02/04   - 1 ("5502663").PN.   USPAT   2004/02/04   - 1 ("5502663").PN.   USPAT   2004/02/04   - 1 ("5502663").PN.   USPAT   2004/02/04   - 1 ("5170369"   "5956494").PN.   USPAT   2004/02/04   - 1 ("5170369"   "5956494")	-	1	Valcan vencules .AS.		
- 0 "Applied Neurosystems".AS.   SEPO, JPO   12:39   USPAT;   COUNTY   SEPO, JPO   12:39   USPAT;   SEPO, JPO   12:39   USPAT;   SEPO, JPO   12:39   USPAT;   SEPO, JPO   12:39   USPAT;   SEPO, JPO   12:39   USPAT   SEPO, JPO   12:40   USPAT   SEPO, JPO   12:40   USPAT   SEPO, JPO   12:47   USPAT   SEPO, JPO   12:47   USPAT   SEPO, JPO   12:47   USPAT   SEPO, JPO   12:47   USPAT   SEPO, JPO   SEPAT, SEPO, JPO		١ ,	"annlied nounequaters" AC		
- 0 "Applied Neurosystems".AS. USPAT; 2004/02/04 cochlear cochlear (704/8).ccls. and from cother same octave (704/8).ccls. and from cother and filter adj2 bank\$1) same octave (704/8).ccls. and from cother and cotave octave oct	-	١ '	applied neurosystems .As.		
- 0 "interval research corporation".AS. and cochlear cochlear cochlear	İ				
- 0 "interval research corporation".AS. and cochlear cochlear ("5012245"   "5027306"   "5323157"   USPAT   2004/02/04   12:39   2004/02/04   12:46   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   12:47   2004/02/04   2:47   2004/02/04   2:47   2004/02/04   2:47   2004/02/04   2:47   2004/02/04   2:47   2004/02/04   2:47	-	٥	"Applied Neurosystems".AS.		
Cochlear		_	],,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-	-	l 0			
12:46				•	
-	-	1	5983139.URPN.	USPAT	' '
"5357252"   "5408235"   "5549658"		1			
- 4 (704/\$).ccls. and programm\$5 near2 (subband or sub-band) - 8 ("501245"   "5027306"   "5323157"   USPAT 2004/02/04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:04   17:06   17:05	-	8		USPAT	
-					12:47
Subband or sub-band)					
-	-	4	(704/\$).ccls. and programm\$5 near2	USPAT;	2004/02/04
"5577252"   "5408235"   "5549658"   "5601617.URPN.   USPAT   2004/02/04   14:08			(subband or sub-band)	EPO; JPO	17:04
"5577252"   "5408235"   "5549658"   "5601617.URPN.   USPAT   2004/02/04   14:08	-	8	("5012245"   "5027306"   "5323157"	USPAT	2004/02/04
- 22   5601617"   "5626629").PN.   USPAT   2004/02/04   14:08   2004/02/04   14:08   2004/02/04		ì			14:06
- 22   \$601617.URPN.   USPAT   2004/02/04   14:08   14:08   2004/02/04   14:08   2004/02/04   14:08   2004/02/04   14:08   2004/02/04					
14:08	<b>-</b>	22		USPAT	2004/02/04
- 2 (704/\$).ccls. and (subband or sub-band) same filter same octave same filter same octave (704/\$).ccls. and filter same					
Same filter same octave	1_	2	(704/\$).ccls. and (subband or sub-band)	USPAT:	
- 105 (704/\$).ccls. and filter same octave		_			
- 63 (filter adj2 bank\$1) same octave USPAT; 2004/02/04 EPO; JPO 15:19  - 25 (filter adj2 bank\$1) same cochlea\$1 USPAT; 2004/02/04 EPO; JPO 15:32  - 12 5331222.URPN. EPO; JPO USPAT 2004/02/04  - 12 cochlear near3 (model\$3 or implant) same octave cochave cochave cochlear near3 (model\$3 or implant) USPAT; 2004/02/04 EPO; JPO 14:34  - 29 cochlear near3 (model\$3 or implant) same filt\$2  - 29 cochlear near3 (model\$3 or implant) same filt\$2  - 29 cochlear near3 (model\$3 or implant) same filt\$2  - 2004/02/04 EPO; JPO 14:34  USPAT; 2004/02/04 EPO; JPO 14:57  USPAT 2004/02/04 12:57  USPAT 2004/02/04  14:35  - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04  - 1 6161118.URPN. USPAT 2004/02/04  - 1 6161118.URPN. USPAT 2004/02/04  - 1 6161118.URPN. USPAT 2004/02/04  - 1 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04  - 1 ("5502663").PN. USPAT 2004/02/04  - 1 ("5502663").PN. USPAT 2004/02/04  - 1 1 5502663.URPN. USPAT 2004/02/04  - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	105			
- 63 (filter adj2 bank\$1) same octave		100	(101) 47. Colb. and lifeth bank octave	•	
- 25 (filter adj2 bank\$1) same cochlea\$1	l _	63	(filter adi2 hank\$1) same octave	· ·	
- 25 (filter adj2 bank\$1) same cochlea\$1 USPAT; 2004/02/04   - 12 5331222.URPN. USPAT 2004/02/04   - 14 cochlear near3 (model\$3 or implant) same octave cochlear near3 (model\$3 or implant) USPAT; 2004/02/04   - 373 cochlear near3 (model\$3 or implant) USPAT; 2004/02/04   - 29 cochlear near3 (model\$3 or implant) Same filt\$2   - 26 6182103.URPN. USPAT; 2004/02/04   - 2 ("5227991"   "5731769").PN. USPAT 2004/02/04   - 2 ("5227991"   "5731769").PN. USPAT 2004/02/04   - 37 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04   - 4 6161118.URPN. USPAT 2004/02/04   - 5 6182103.URPN. USPAT; 2004/02/04   - 1 6161118.URPN. USPAT 2004/02/04   - 1 6161118.URPN. USPAT 2004/02/04   - 1 6163118.URPN. USPAT 2004/02/04   - 1 5502663").PN. USPAT 2004/02/04   - 1 5502663.URPN. USPAT 2004/02/04   -		03		'	
- 12 5331222.URPN.		25	/filter adi2 hank\$1\ same cochlea\$1		[
- 12 5331222.URPN. USPAT 2004/02/04 14:32 - 1 cochlear near3 (model\$3 or implant) same octave cochlear near3 (model\$3 or implant) USPAT; 2004/02/04 EPO; JPO 14:34 - 29 cochlear near3 (model\$3 or implant) same filt\$2 cochlear near3 (model\$3 or implant) same filt\$2 coo4/02/04 EPO; JPO 14:34 - 2 ("5227991"   "5731769").PN. USPAT 2004/02/04 14:35 - 2 ("5227991"   "5731769").PN. USPAT 2004/02/04 14:35 - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 14:35 - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 14:48 - 1 6161118.URPN. USPAT 2004/02/04 14:48 - 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04 14:49 - 1 ("5502663").PN. USPAT 2004/02/04 14:57 - 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 13 lyon.in. and (filter) USPAT; 2004/02/04	-	23	(Tiller adjz bankyl) Same Cochileayl		
1		12	E221222 HDDN	-	1
-   1	-	12	3331222.URPN.	USPAI	
Octave		4	machlann mann3 /madal63	HCDAM:	
- 373   cochlear near3 (model\$3 or implant)   USPAT;   2004/02/04   EPO; JPO   14:34   USPAT;   2004/02/04   EPO; JPO   14:57   2004/02/04   EPO; JPO   14:57   2004/02/04   14:35   USPAT   2004/02/04   14:40   USPAT   2004/02/04   14:48   USPAT   2004/02/04   14:48   USPAT   2004/02/04   14:49   USPAT   2004/02/04   14:49   USPAT   2004/02/04   14:49   USPAT   2004/02/04   14:57   USPAT   2	1 -			· ·	1
- 29 cochlear near3 (model\$3 or implant) same filt\$2 cochlear near3 (model\$3 or implant) same filt\$2 coo4/02/04 filt\$2 coo4/02/04 filt\$2 coo4/02/04 filt\$3 coo4/02/04 filt\$4 coo4/02/04 filt\$5 c		252			1
- 29   cochlear near3 (model\$3 or implant) same   filt\$2   2004/02/04   EPO; JPO   14:57   2004/02/04   14:57   2004/02/04   14:35   2004/02/04   14:35   2004/02/04   14:35   2004/02/04	-	3/3	cocniear nears (modeiss or implant)		1
filt\$2 6182103.URPN.  2 ("5227991"   "5731769").PN.  USPAT					
- 2 6182103.URPN. USPAT 2004/02/04 14:35 - 2 ("5227991"   "5731769").PN. USPAT 2004/02/04 14:35 - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 EPO; JPO 14:40 - 1 6161118.URPN. USPAT 2004/02/04 14:48 - 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04 14:49 - 8 ("4872129"   "5689449"   "5732002"   "5880973"   "5956494").PN. USPAT 2004/02/04 14:57 - 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 113 lyon.in. and (filter) USPAT; 2004/02/04	-	29			1
- 2 ("5227991"   "5731769").PN. USPAT 2004/02/04 14:35 - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 EPO; JPO 14:40 - 1 6161118.URPN. USPAT 2004/02/04 14:48 - 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04 14:49 - 5592517"   "5689449"   "5732002"   "5880973"   "5956494").PN. USPAT 2004/02/04 14:57 - 1 ("5502663").PN. USPAT 2004/02/04 14:57 - 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 1313 lyon.in. and (filter) USPAT; 2004/02/04		_	1		1
- 2 ("5227991"   "5731769").PN. USPAT 2004/02/04 14:35 - 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 - 1 6161118.URPN. USPAT 2004/02/04 - 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04 - "5592517"   "5689449"   "5732002"   "5880973"   "5956494").PN 1 ("5502663").PN. USPAT 2004/02/04 - 1 ("5502663").PN. USPAT 2004/02/04 - 1 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 - 1 ("4356559"   "4803647"   "5031132"   USPAT 2004/02/04 - "4356559"   "4803647"   "5031132"   USPAT 2004/02/04 - "5170369"   "5315621").PN. USPAT; 2004/02/04	-	2	6182103.URPN.	USPAT	
- 97 digita\$1 adj2 filt\$2 adj2 cascad\$2 USPAT; 2004/02/04 EPO; JPO 14:40 USPAT 2004/02/04 14:48 USPAT 2004/02/04 14:48 USPAT 2004/02/04 14:49 USPAT 2004/02/04 14:49 USPAT 2004/02/04 14:57 USPAT; 2004/02/04 USPAT; 2004/02					
- 97 digita\$1 adj2 filt\$2 adj2 cascad\$2	-	2	("5227991"   "5731769").PN.	USPAT	
- 1 6161118.URPN.					14:35
- 1 6161118.URPN. USPAT 2004/02/04 14:48  - 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04	-	97	digita\$1 adj2 filt\$2 adj2 cascad\$2	USPAT;	2004/02/04
- 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04   "5592517"   "5689449"   "5732002"   14:49			_	EPO; JPO	14:40
- 8 ("4872129"   "4983966"   "5043933"   USPAT 2004/02/04   14:49   15592517"   "5689449"   "5732002"   14:49   14:49   14:57   15502663").PN. USPAT 2004/02/04   14:57   14:57   15502663.URPN. USPAT 2004/02/04   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   14:57   1570369"   "4803647"   "5031132"   14:57   14:57   14:57   1570369"   "5315621").PN. USPAT; 2004/02/04   14:57   113   1yon.in. and (filter)   USPAT; 2004/02/04   14:57   113   14:57   14:57   15031132"   1	-	1	6161118.URPN.	USPAT	2004/02/04
"5592517"   "5689449"   "5732002"					14:48
"5592517"   "5689449"   "5732002"	-	8	("4872129"   "4983966"   "5043933"	USPAT	2004/02/04
- 1 ("5502663").PN. USPAT 2004/02/04 14:57 - 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - 8 ("4356559"   "4803647"   "5031132"   14:57 - 113 lyon.in. and (filter) USPAT; 2004/02/04					
- 1 ("5502663").PN. USPAT 2004/02/04 14:57 - 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57 - "4356559"   "4803647"   "5031132"   14:57 "5170369"   "5315621").PN 113 lyon.in. and (filter) USPAT; 2004/02/04					
- 1 5502663.URPN.	-	1		USPAT	2004/02/04
- 1 5502663.URPN. USPAT 2004/02/04 14:57 - 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04 14:57			,		
- 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04   14:57	l _	1	5502663 JIRPN	דעם פון	
- 8 ("4146931"   "4185325"   "4337518"   USPAT 2004/02/04   14:57   "5170369"   "5315621").PN.		1	3302003.0KLH.	OPINI	
"4356559"   "4803647"   "5031132"	l _	٥		ייעם אוו	
"5170369"   "5315621").PN. - 113 lyon.in. and (filter) USPAT; 2004/02/04	-	ľ		ODEWI	
- 113 lyon.in. and (filter) USPAT; 2004/02/04					12:21
	_	112	l · · · · · · · · · · · · · · · · · · ·	Henny.	2004/02/04
	1-	113	Tyon.in. and (iliter)		
	L	l		P501 150	13:04

	1 4	liven in and (filter) same cochlack	IICDAM.	1 2004 /02 /04
-	4	lyon.in. and (filter) same cochle\$2	USPAT; EPO; JPO	2004/02/04 15:07
1_	4	5355329.URPN.	USPAT	2004/02/04
	•		001111	15:07
-	5	lyon.in. and cochle\$2	USPAT;	2004/02/04
			EPO; JPO	15:16
-	1	("4771196").PN.	USPAT	2004/02/04
	_			15:17
-	9	4771196.URPN.	USPAT	2004/02/04
<b>,</b>	22	(704/6) (6:16 )	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15:17
-	22	(704/\$).ccls. and (filter adj2 bank) same octave	USPAT; EPO; JPO	2004/02/04
1_	7	5615302.URPN.	USPAT	2004/02/04
	Í		"""	15:22
-	64	(704/\$).ccls. and (filter adj2 casca\$2)	USPAT;	2004/02/04
1			EPO; JPO	15:23
-	7	5383145.URPN.	USPAT	2004/02/04
	_	/#4000064#		15:36
1-	3	("4893264"   "5081604"   "5252932").PN.	USPAT	2004/02/04
1_	66	(filter adj2 bank\$1) same cascade	IICDAT.	15:36   2004/02/04
	"		USPAT; EPO; JPO	16:08
-	378	(filter adj2 bank\$1) same bandpass	USPAT;	2004/02/04
İ			EPO; JPO	16:08
-	15	(filter adj2 bank\$1) same bandpass same	USPAT;	2004/02/04
		octave	EPO; JPO	16:08
-	39	("3234544"   "3298019"   "3582947"	USPAT	2004/02/04
		"3678507"   "3750142"   "4210903"     "4243974"   "4366349"   "4300756"		16:10
		"4243974"   "4366349"   "4390756"     "4393275"   "4425481"   "4441202"		
		"4536844"   "4545065"   "4548082"		1
		"4590459"   "4596902"   "4685042"		
		"4689819"   "4701958"   "4739511"		
		"4792977"   "4829270"   "4868880"		
		"5027306"   "5099856"   "5103230"		
		"5126743"   "5233665"   "5241310"		
		"5247581"   "5276739"   "5303346"		
		"5317640"   "5387875"   "5448644"     "5495242"   "5500902"   "5553152").PN.		l i
_	0	programm\$5 near2 (subband or sub-band)	USPAT;	2004/02/04
		near3 filter\$1	EPO; JPO	16:24
-	6	programm\$5 near5 (subband or sub-band)	USPAT;	2004/02/04
		near3 filter\$1	EPO; JPO	16:24
-	45	(704/\$).ccls. and (sampli\$2 near2 rate)	USPAT;	2004/02/04
		near3 lowe\$1	EPO; JPO	16:25
-	43	cascad\$2 near2 (filter adj2 bank\$1)	USPAT;	2004/02/04
_	697	(704/\$).ccls. and filter adj2 bank	EPO; JPO USPAT;	16:33 2004/02/04
	""	1,00,77,0015. and fifter adjz pank	EPO; JPO	16:42
-	1	("5331222").PN.	USPAT	2004/02/04
		·	. =	16:51
-	0	("cochlear\$1samebandpasssamecascade").PN.	USPAT;	2004/02/04
	_		EPO; JPO	16:51
-	1	cochlear\$1 same bandpass same cascade	USPAT;	2004/02/04
_	5	cochlear\$1 same bandpass same parall\$2	EPO; JPO	17:02
		cocinteating same namupass same paratts?	USPAT; EPO; JPO	2004/02/04
-	1	cochlear\$1 same bandpass same cascad\$2	USPAT;	2004/02/04
	]		EPO; JPO	17:03
-	0	cochlear\$1 same BPF same cascad\$2	USPAT;	2004/02/04
			EPO; JPO	17:03
-	169	bandpass near3 cascad\$2	USPAT;	2004/02/04
<u> </u>	6	(704/\$) ccls and handnass same sassada	EPO; JPO	17:04
		(704/\$).ccls. and bandpass same cascade	USPAT; EPO; JPO	2004/02/04 17:35
-	21	(filter near3 sampl\$3 near2 first) same	USPAT;	2004/02/04
		(second near3 frequen\$2 near3 sampli\$2)	EPO; JPO	17:47
-	16	(time adj2 vary\$3 adj2 filter) same	USPAT;	2004/02/04
		(sampli\$2 adj2 rat\$2)	EPO; JPO	17:52
-	705	(time) adj2 (vary\$3 or invari\$3) near3	USPAT;	2004/02/05
		filt\$2	EPO; JPO	12:18

	23 [	(time) adj2 (vary\$3 or invari\$3) near3	USPAT;	2004/02/05
-			EPO; JPO	12:38
		filt\$2 same audio		
-		(time) adj2 (vary\$3 or vari\$3) near3	USPAT;	2004/02/05
		filt\$2 same audio	EPO; JPO	13:27
-	19	(filter adj2 coeffici\$6) near2	USPAT;	2004/02/05
		represent\$2 near3 bi\$2	EPO; JPO	13:27